```
Connecting via Winsock to STN



Welcome to STN International!  Enter x:x

LOGINID:SSPTADEG1625

PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 15:16:46 ON 07 JUN 2007
FILE 'CAPLUS' ENTERED AT 15:16:46 ON 07 JUN 2007
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COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       6.37      35.61

=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       6.37      35.61

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FILE COVERS 1907 - 7 Jun 2007  VOL 146 ISS 24
FILE LAST UPDATED: 6 Jun 2007  (20070606/ED)

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=> s aird/au
L7            0 AIRD/AU

=> log off
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD:n

=> s ruthenium
          96839 RUTHENIUM
             23 RUTHENIUMS
L8        96839 RUTHENIUM
                (RUTHENIUM OR RUTHENIUMS)

=> s l8 and carmona/au
              0 CARMONA/AU
L9            0 L8 AND CARMONA/AU
```

```
=> log hold
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         7.91      43.52

 SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 15:19:12 ON 07 JUN 2007

Connecting via Winsock to STN



Welcome to STN International!  Enter x:x

LOGINID:SSPTADEG1625

PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 15:22:27 ON 07 JUN 2007
FILE 'CAPLUS' ENTERED AT 15:22:27 ON 07 JUN 2007
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COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         7.91      43.52

=> file caplus
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         7.91      43.52

FILE 'CAPLUS' ENTERED AT 15:22:44 ON 07 JUN 2007
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FILE LAST UPDATED: 6 Jun 2007  (20070606/ED)

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=> e carmona d/au
E1            5     CARMONA CYNTHIA/AU
E2            3     CARMONA CYNTHIA L/AU
E3           25 --> CARMONA D/AU
E4           81     CARMONA DANIEL/AU
E5            1     CARMONA DAVID/AU
E6            1     CARMONA DE CATRIL A/AU
E7            1     CARMONA DE GARCIA C A/AU
```
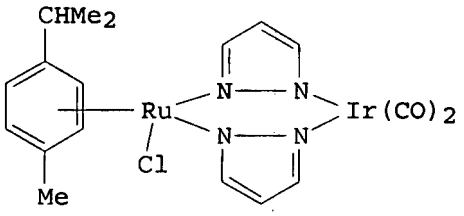

```
E8            1     CARMONA DIAZ ELIZABETH/AU
E9            1     CARMONA DORIS/AU
E10          55     CARMONA E/AU
E11           6     CARMONA E C/AU
E12           1     CARMONA E FERREIRA R/AU

=> s carmona d?/au and ruthenium?
           111 CARMONA D?/AU
         96878 RUTHENIUM?
L10       . 34 CARMONA D?/AU AND RUTHENIUM?

=> l10 and pyrazolyl
L10 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s l10 and pyrazolyl
          6857 PYRAZOLYL
             8 PYRAZOLYLS
          6859 PYRAZOLYL
                 (PYRAZOLYL OR PYRAZOLYLS)
L11          3 L10 AND PYRAZOLYL

=> d l11 1-3 abs ibib hitstr

L11  ANSWER 1 OF 3  CAPLUS  COPYRIGHT 2007 ACS on STN
AB   The reaction of the metallo-ligand [Ru(η6-p-cymene)(pz)2(Hpz)] with
     the Pt complex [{PtIMe3}4] affords mixts. of heterodinuclear
     [(η6-p-cymene)Ru(μ-pz)3PtMe3] (1) and [(η6-p-cymene)Ru(μ-
     pz)2(μ-I)PtMe3] (2). The reaction of the Ir derivative
     [Ir(η5-C5Me5)(pz)2(Hpz)] with [{PtIMe3}4] gives [(η5-C5Me5)Ir(μ-
     pz)2(μ-I)PtMe3] (3). Both [Ru(η6-p-cymene)(pz)2(Hpz)] and
     [Ir(η5-C5Me5)(pz)2(Hpz)] react with [{PtIMe3}4] in the presence of
     NaOH yielding 1 and [(η5-C5Me5)Ir(μ-pz)3PtMe3] (4), resp. While
     [Ru(η6-p-cymene)(pz)2(Hpz)] reacts with [PtBr2Me2Sx] to give mixts. of
     [(η6-p-cymene)Ru-(μ-pz)3PtBrMe2] (5) and [(η6-p-cymene)Ru(μ-
     pz)2(μ-Br)PtBrMe2] (6), the reaction of [Ir(η5-C5Me5)(pz)2(Hpz)]
     with [PtBr2Me2Sx] gives [(η5-C5Me5)Ir(μ-pz)2(μ-Br)PtBrMe2] (7)
     as the sole product. All species were characterized in solution by 1H-NMR
     spectroscopy. The crystal structure of complex 4 was determined by
     single-crystal x-ray diffraction.
ACCESSION NUMBER:        2000:695725  CAPLUS
DOCUMENT NUMBER:         134:5034
TITLE:                   Synthesis and characterization of heterodinuclear RuPt
                         and IrPt complexes containing pyrazolate bridging
                         ligands. Crystal structure of [(η5-C5Me5)Ir(μ-
                         pz)3PtMe3] (pz = pyrazolate)
AUTHOR(S):               Contreras, Raul; Valderrama, Mauricio; Orellana,
                         Esteban M.; Boys, Daphne; Carmona, Daniel;
                         Oro, Luis A.; Lamata, M. Pilar; Ferrer, Joaquina
CORPORATE SOURCE:        Departamento de Quimica Inorganica, Facultad de
                         Quimica, Pontificia Universidad Catolica de Chile,
                         Santiago, 22, Chile
SOURCE:                  Journal of Organometallic Chemistry (2000), 606(2),
                         197-202
                         CODEN: JORCAI; ISSN: 0022-328X
PUBLISHER:               Elsevier Science S.A.
DOCUMENT TYPE:           Journal
LANGUAGE:                English
OTHER SOURCE(S):         CASREACT 134:5034
REFERENCE COUNT:         36    THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS
                               RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11  ANSWER 2 OF 3  CAPLUS  COPYRIGHT 2007 ACS on STN
```

GI



I

AB Dinuclear iridium-ruthenium complex I (M = Ir), prepared from (η6-p-cymol)RuCl(μ-pz)Ir(COD) (pz = pyrazolyl, COD = 1,5-cyclooctadiene) and carbon monoxide, reacted with NaBr or NaI to give the corresponding halo complex [(η6-p-cymol)Ru(μ-pz)2IrX(CO)2] (X = Br, iodo). Complexes I (M = Ir, Rh) were characterized by x-ray crystallog.

ACCESSION NUMBER: 1991:656346 CAPLUS
DOCUMENT NUMBER: 115:256346
TITLE: Reversible isomerization of the dinuclear complex [(η6-p-Cymol)RuCl(μ- Pyrazolyl)2Ir(CO)2] with formation of a ruthenium -iridium bond
AUTHOR(S): Carmona, Daniel; Ferrer, Joaquina; Mendoza, Ana; Lahoz, Fernando J.; Reyes, Josefa; Oro, Luis A.
CORPORATE SOURCE: Inst. Cienc. Mater. Aragon, Univ. Zaragoza, Zaragoza, E-50009, Spain
SOURCE: Angewandte Chemie (1991), 103(9), 1192-4 (See also Angew. Chem., Int. Ed. Engl., 1991, 30(9), 1171-3) CODEN: ANCEAD; ISSN: 0044-8249
DOCUMENT TYPE: Journal
LANGUAGE: English

L11 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
AB The synthesis and NMR spectra (1H and 13C) are reported for 24 p-cymeneruthenium complexes belonging to one of the following families: [Ru(MeC6H4CHMe2-p)(acac)X], [Ru(MeC6H4CHMe2-p)(acac)L]BF4, [Ru(MeC6H4CHMe2-p)ClL2]BF4, and [Ru(MeC6H4CHMe2-p)L3][BF4]2, [Ru(MeC6H4CHMe2-p)XL2]BF4, and [Ru(MeC6H4CHMe2-p)X2L] where X = Br, I, N3, pz, mpz, dmpz, or idz, and L = pyridine, PPh3, CNCMe3, P(OMe)3, Hpz (pyrazole), Hmpz (3-methylpyrazole), Hdmpz (3,5-dimethylpyrazole), and Hidz (indazole) for some complexes and only azoles (pyrazoles and indazole) for the remaining ones. Crystals of [Ru(MeC6H4CHMe2-p)(pz)(Hpz)2]BF4 are obtained and the structure was determined by x-ray diffraction. There are 2 crystallog. units, each having an intramol. hydrogen bond between a pyrazole and a pyrazolate ring, and another between the other pyrazole ligand and the BF4 anion. The NMR data (δ and J) of the azole complexes were carefully determined and are thoroughly discussed.

ACCESSION NUMBER: 1990:478665 CAPLUS
DOCUMENT NUMBER: 113:78665
TITLE: Synthesis, x-ray structure, and nuclear magnetic resonance proton and carbon-13 studies of ruthenium(II) complexes containing pyrazolyl ligands
AUTHOR(S): Carmona, Daniel; Ferrer, Joaquina; Oro, Luis A.; Apreda, Maria C.; Foces-Foces, Concepcion; Cano, Felix H.; Elguero, Jose; Luisa Jimeno, Maria
CORPORATE SOURCE: Inst. Cienc. Mater. Aragon, Univ. Zaragoza, Zaragoza, 50009, Spain
SOURCE: Journal of the Chemical Society, Dalton Transactions: Inorganic Chemistry (1972-1999) (1990), (4), 1463-76 CODEN: JCDTBI; ISSN: 0300-9246

```
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
OTHER SOURCE(S):          CASREACT 113:78665


=> analyze l11 3
ENTER DISPLAY CODE (TI) OR ?:end

=> analyze
ENTER ANSWER SET OR ANALYZE L# OR (L11):l11
ENTER ANSWER NUMBER OR RANGE (1-):3
ENTER DISPLAY CODE (TI) OR ?:ab
L12          ANALYZE L11 3 AB :       85 TERMS

=> d doc
L12          ANALYZE L11 3 AB :       85 TERMS

TERM #   # OCC  # DOC  % DOC AB
------ ------- ------ ------ ---------------
     1       9      1 100.00 P
     2       7      1 100.00 MEC6H4CHME2
     3       7      1 100.00 RU
     4       6      1 100.00 BF4
     5       4      1 100.00 ARE
     6       3      1 100.00 COMPLEXES
     7       3      1 100.00 PYRAZOLE
     8       3      1 100.00 X
     9       3      1 100.00 2
    10       3      1 100.00 3
75 MORE TERMS WITH A DOCUMENT COUNT OF 1


=> analyze
ENTER ANSWER SET OR ANALYZE L# OR (L12):l11
ENTER ANSWER NUMBER OR RANGE (1-):3
ENTER DISPLAY CODE (TI) OR ?:cc
L13          ANALYZE L11 3 CC :        1 TERM

=> d doc
L13          ANALYZE L11 3 CC :        1 TERM

TERM #    # OCC  # DOC  % DOC CC
------ ------- ------ ------ ---------------
     1       1      1 100.00 29-13
*********  END OF L13***


=> analyze
ENTER ANSWER SET OR ANALYZE L# OR (L13):l11
ENTER ANSWER NUMBER OR RANGE (1-):3
ENTER DISPLAY CODE (TI) OR ?:rn
L14          ANALYZE L11 3 RN :       34 TERMS

=> d doc
L14          ANALYZE L11 3 RN :       34 TERMS

TERM #    # OCC  # DOC  % DOC RN
------ ------- ------ ------ ---------------
     1       1      1 100.00 121-45-9
     2       1      1 100.00 128628-32-0
     3       1      1 100.00 128628-33-1
     4       1      1 100.00 128628-34-2
     5       1      1 100.00 128628-35-3
     6       1      1 100.00 128628-36-4
     7       1      1 100.00 128628-37-5
```

```
     8        1       1 100.00 128628-38-6
     9        1       1 100.00 128628-40-0
    10        1       1 100.00 128628-42-2
24 MORE TERMS WITH A DOCUMENT COUNT OF 1


=>  FILE REG

COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                          ENTRY    SESSION
FULL ESTIMATED COST                                       64.10     107.62

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)              SINCE FILE      TOTAL
                                                          ENTRY    SESSION
CA SUBSCRIBER PRICE                                       -2.34      -2.34

FILE 'REGISTRY' ENTERED AT 15:43:02 ON 07 JUN 2007
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DICTIONARY FILE UPDATES:   6 JUN 2007  HIGHEST RN 936692-95-4

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=> STR 121-45-9

:END

L15  STRUCTURE CREATED

=> S L15 EXA SAM

SAMPLE SEARCH INITIATED 15:43:06 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -        0 TO ITERATE

100.0% PROCESSED        0 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:             0 TO        0
PROJECTED ANSWERS:                0 TO        0

L16           0 SEA EXA SAM L15

=>

=>
```

NO ANSWERS WERE FOUND

=> FILE REG

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.90	108.52

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.34

FILE 'REGISTRY' ENTERED AT 15:43:57 ON 07 JUN 2007
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STRUCTURE FILE UPDATES: 6 JUN 2007 HIGHEST RN 936692-95-4
DICTIONARY FILE UPDATES: 6 JUN 2007 HIGHEST RN 936692-95-4

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on property searching in REGISTRY, refer to:

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=> STR 121-45-9

:END

L17 STRUCTURE CREATED

=> S L17 EXA FUL

FULL SEARCH INITIATED 15:44:00 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 59 TO ITERATE

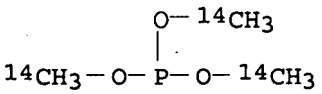
100.0% PROCESSED 59 ITERATIONS 9 ANSWERS
SEARCH TIME: 00.00.01

L18 9 SEA EXA FUL L17

=>

=> D SCAN

L18 9 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
IN Methanol-14C, phosphite (3:1) (9CI)
MF C3 H9 O3 P



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):end

=> d l14 hitstr
L14 ANALYZE L11 3 RN : 34 TERMS

NO TERMS MATCHED THE DISPLAY CRITERIA

=> FILE REG

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	60.95	169.47

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.34

FILE 'REGISTRY' ENTERED AT 15:48:22 ON 07 JUN 2007
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DICTIONARY FILE UPDATES: 6 JUN 2007 HIGHEST RN 936692-95-4

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predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> STR 128628-32-0

:END

L19 STRUCTURE CREATED

=> S L19 EXA FUL

FULL SEARCH INITIATED 15:48:26 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1 TO ITERATE

100.0% PROCESSED 1 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

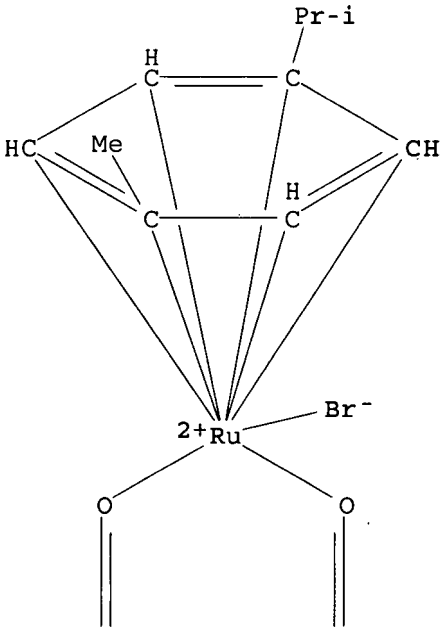
L20 1 SEA EXA FUL L19

=>

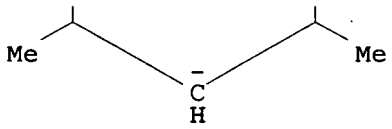
=> D SCAN

L20 1 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
IN Ruthenium, bromo[(1,2,3,4,5,6-η)-1-methyl-4-(1-methylethyl)benzene](2,4-pentanedionato-O,O')- (9CI)
MF C15 H21 Br O2 Ru
CI CCS

PAGE 1-A



PAGE 2-A



ALL ANSWERS HAVE BEEN SCANNED

=> s l19 and (anticancer or antitumor or antitumour)
COMBINATION OF STRUCTURE AND TEXT TERMS NOT VALID
The query entered contains both search terms created by structure-building or screen commands and text search terms. L#s created via the STRUCTURE or SCREEN commands must be searched in the structures files separately from text terms or profiles. The L# answer sets from structure searches can be used in crossover searches and can be combined with text terms.

=> s l20 and (anticancer or antitumor or antitumour)

```
            74 ANTICANCER
           209 ANTITUMOR
             0 ANTITUMOUR
L21          0 L20 AND (ANTICANCER OR ANTITUMOR OR ANTITUMOUR)

=> log hold
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                    78.05     247.52

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00      -2.34

 SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 15:55:21 ON 07 JUN 2007
```